

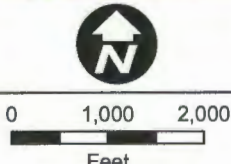
Legend

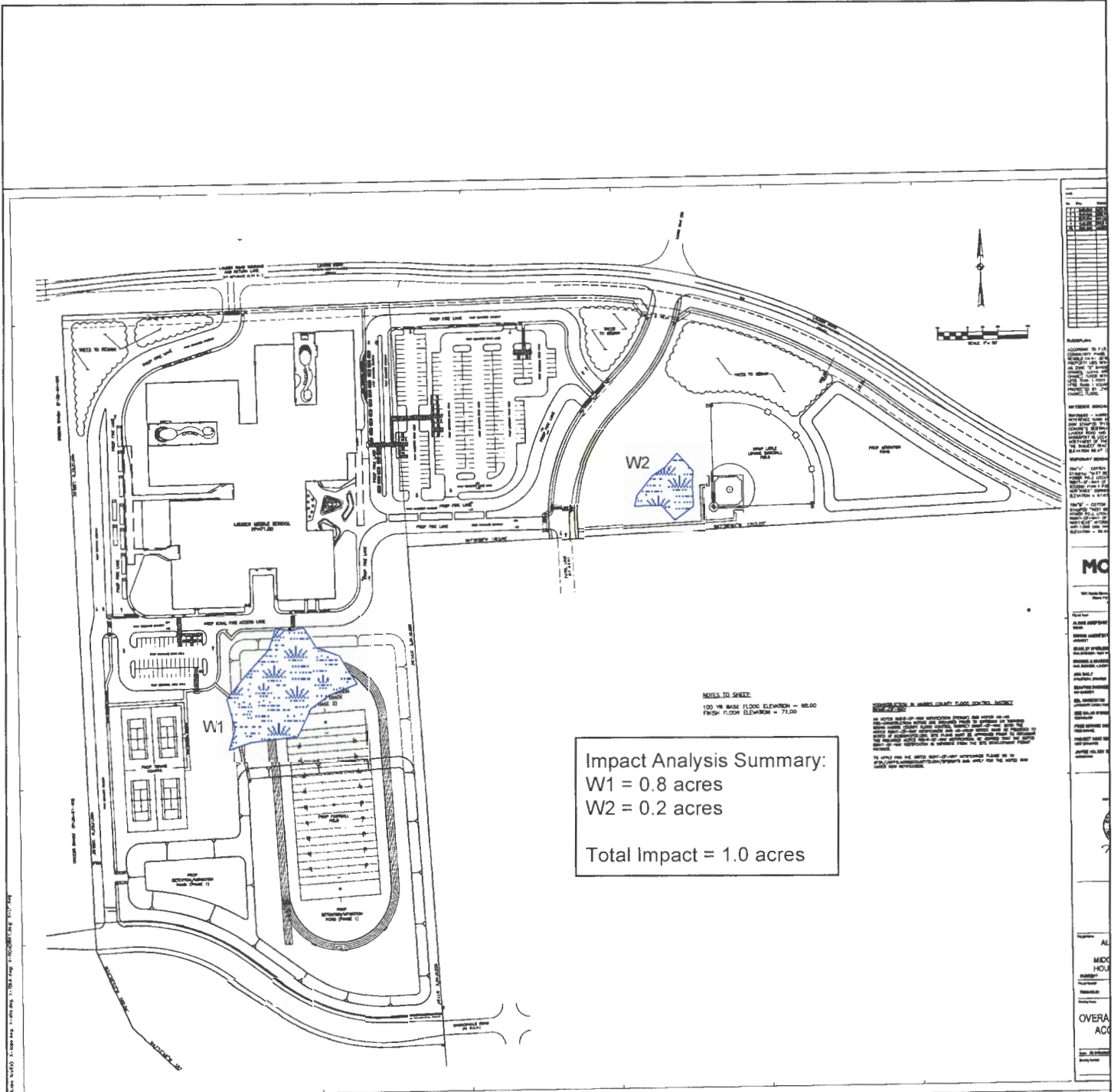
 Project Area

**Horizon**  
Environmental Services, Inc.

|         |             |
|---------|-------------|
| Date:   | 12/20/2016  |
| Drawn:  | SBF         |
| HJN NO: | 160018 3 PA |
| Source: | OSM, 2016   |

**Figure 1**  
Vicinity Map  
Lauder Middle School Campus  
Aldine Independent School District  
Houston, Harris County, Texas





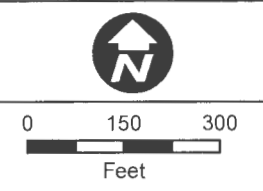
Impact Analysis Summary:  
 W1 = 0.8 acres  
 W2 = 0.2 acres  
 Total Impact = 1.0 acres

**Legend**  
 Wetland

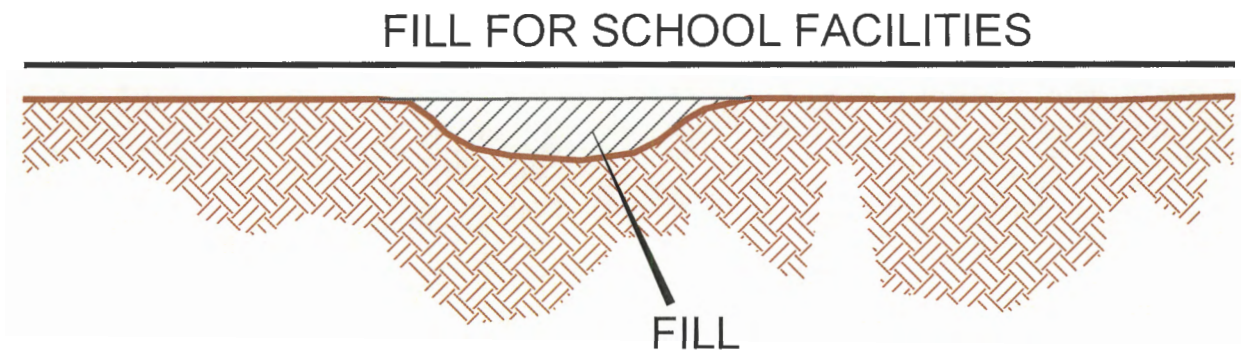


|         |              |
|---------|--------------|
| Date:   | 12/20/2016   |
| Drawn:  | SBF          |
| HJN NO: | 160018 3 PA  |
| Source: | Morris, 2017 |

**Figure 2**  
 Site Plan and Impact Analysis Map  
 Lauder Middle School Campus  
 Aldine Independent School District  
 Houston, Harris County, Texas



160018 - Aldine ISD\Graphics\PA\160018A13WD\_XSection.dwg | GLS | 02/23/2016



NOT TO SCALE



**FIGURE 3**

TYPICAL CROSS SECTION  
 LAUDER MIDDLE SCHOOL CAMPUS  
 ALDINE INDEPENDENT SCHOOL DISTRICT  
 HOUSTON, HARRIS COUNTY, TEXAS

"Do Not Scale This Drawing"

## LAUDER MIDDLE SCHOOL ALTERNATIVES ANALYSIS

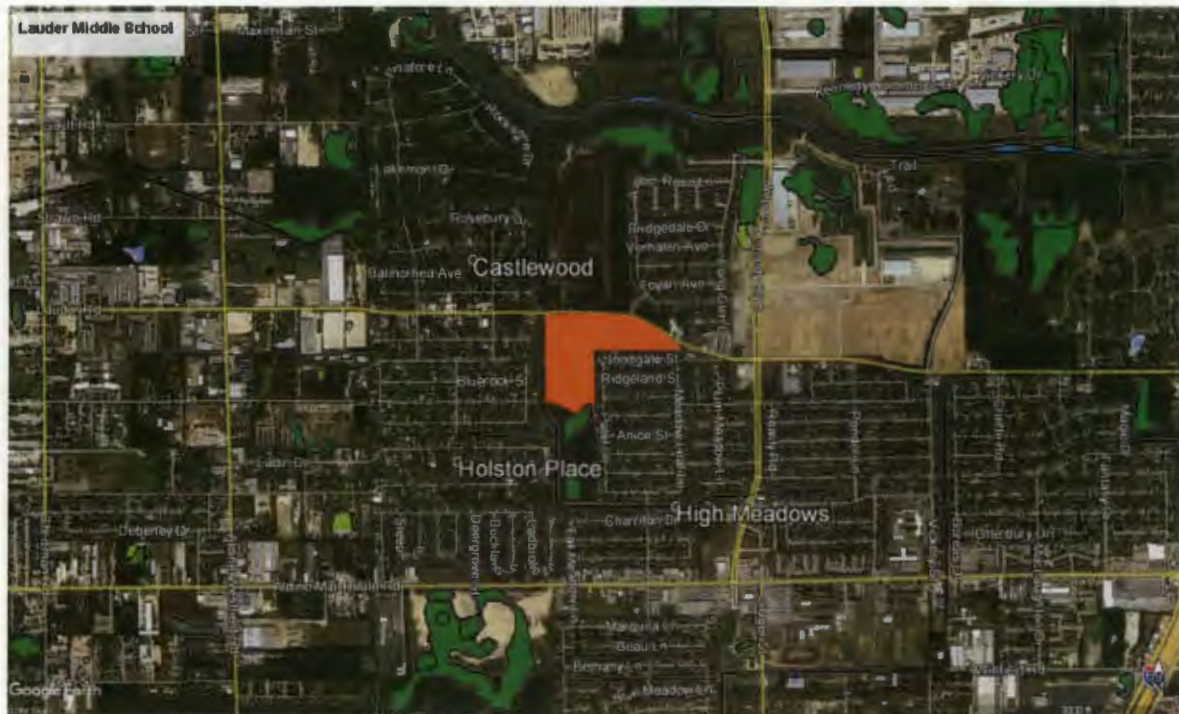
### Purpose and Need, and Siting Criteria

Schools, particularly Pre-K, elementary, and middle schools need to be located in proximity to the population they are intended to serve. The Aldine ISD has identified a need for a new middle school in the region of the proposed site to serve a growing population. Aldine ISD attempts to locate one or more schools in close proximity to each other for a given population region for efficiency of facility access and management. The proposed site is adjacent to a new Pre-K school site. Middle schools and high schools also have a requirement for inclusion of athletic facilities (ball fields, tennis courts, track facilities, etc.), hence, middle and high school campuses are larger than Pre-K and elementary sites. A usual size for middle and high school campuses is 30 to 35 acres.

### Offsite Alternatives

The population region of the proposed site is already highly developed with few vacant or available properties. As indicated by Figure 1, available sites of sufficient size and without other significant constraints, including wetlands, are very limited.

FIGURE 1  
SURROUNDING AREA



### Onsite Alternatives

The proposed Middle School site is densely designed with the school building, parking areas, streets and access drives, and athletic facilities. Avoidance of one or both of the wetland areas would not allow full development of the requisite facilities which would necessitate acquisition of another site for the excluded facilities. As noted above, additional vacant or available sites in this population region are very scarce. Placing certain portions of the campus facilities on other remote sites would significantly decrease efficiency and increase costs of operation and maintenance.